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(54) Title: ~~HIGH PHASE ORDER ELCTRICAL ROTATING MACHINE WITH DISTRIBUTED WINDINGS~~

(57) Abstract: A rotating induction machine, containing five or more different phases, having windings distributed according to a sinc function with a cutoff frequency allowing low-order spatial harmonics but preventing higher order spatial harmonics from flowing. In a preferred embodiment, the machine is connected to drive means capable of injecting third harmonic into the machine. In a further preferred embodiment, the windings are connected to the drive means with a mesh connection and the machine has five phases.